

SECRET

(When Filled In)

FILE INFO

REPRODUCTION PROHIBITED

10 DEC 69 23 18z

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	3		8		13		18
	4		9	FEBR	14		19
	5		10	SA/IS	15		20

IN 92428

DE [] 3441955

R 101954Z

FM SSO DIA WASH DC

TO SSO ACSI/DA

NAVINTCOM

AFSSO USAF

OPCEN

ZEM

TOP SECRET [] DIAMC 15531 DEC 69

OPCEN FOR []

REFERENCES: A. DIAMC MSG CITE 14841, DTG 281812Z NOV 69.

B. DIAMC MSG CITE 15099 DTG 031937Z DEC 69.

THE FOLLOWING REPLY FROM NRO IS FORWARDED FOR YOUR INFORMATION:

THIS MSG IN FOUR PARTS. PART I. "THIS MSG CONTAINS THE FINAL RESULTS OF THE STUDY REGARDING THE MC&G GAP PROBLEM AS REQUESTED IN REFERENCE A ABOVE. THE DATA PRESENTED IS A REFINEMENT OF THAT DATA PROVIDED IN REFERENCE B ABOVE, AND THEREFORE SUPERSEDES THE DATA IN REFERENCE B. PART II. THE FINAL RESULTS ARE AS FOLLOWS:

PERCENT FILM USED	PERCENT OF AREA	COVERAGE SATISFIED
(ANNUALLY)	AREA "A"	AREA "B"
1	4.4	11.5
2	7.7	22.0

NRO and DIA review(s) completed.

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5	15.5	42.5
10	25.1	66.7
15	34.5	84.5
16	NO DATA	85.7
17	NO DATA	85.8
20	42.5	85.9
\$21.9	NO DATA	85.9
30	55.6	NO DATA
40	66.5	NO DATA
50	75.1	NO DATA
60	83.3	NO DATA
70	86.5	NO DATA
\$578.7	86.5	NO DATA

\$ - MAXIMUM AMOUNT WHICH CAN BE EXPENDED IN AREA "B"

\$ - MAXIMUM AMOUNT WHICH CAN BE EXPENDED IN AREA "A"

PART III. THE DATA HAS CHANGED FOR THE FOLLOWING REASONS:

(1) THE SLIVERS AND PATCHES HAVE BEEN MORE ACCURATELY MEASURED AND NOW EQUAL 13,020 LINEAR NAUTICAL MILES IN AREA "A" AND 4,620 LINEAR NAUTICAL MILES IN AREA "B". SINCE AREA "B" HAS BEEN REDUCED BY APPROXIMATELY 13 PERCENT, A GREATER PERCENTAGE OF SATISFACTION CAN BE ACHIEVED USING THE SAME AMOUNT OF FILM. (2) LESS FILM IS USED ON EACH CAMERA OPERATION THROUGH THE USE OF MORE PRECISE FILM CALCULATIONS BASED ON PAST MISSION TELEMETRY DATA. (3) CLIMATOLOGICAL

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DATA USED REFLECTED BETTER WEATHER CONDITIONS THAN EXPECTED AND THIS RESULTED IN SOME IMPROVEMENT OF AREA SATISFACTION PERCENTAGES FOR EACH OF THE FILM PERCENTAGE INCREMENTS. PART IV. ALTHOUGH THESE FIGURES ARE CONSIDERED TO BE BETTER THAN THOSE PROVIDED IN REFERENCE B, THEY REMAIN APPROXIMATE FIGURES DUE PRIMARILY TO SPARSELY LOCATED WEATHER STATIONS AND INCOMPLETE CLOUD COVER STATISTICS IN THE AREAS UNDER STUDY."

GP-1

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